Inspiring Innovation • Persistent Perfection

F1A75-V

Enjoy Graphical Mouse- controlled UEFI BIOS & Superb Graphics on AMD A75 Platform

- Multi-GPU CrossFireX Support!
- UEFI BIOS - EZ Mode - Flexible & Easy BIOS Interface
- MemOK! – Any memory is A-OK!
- Native USB 3.0/SATA 6Gb/s Support - Double Access, Double Convenience
- AI Suite II - One-stop Access to Innovative ASUS Features

APU,FCH and Graphics features

AMD® A-& E2- series Accelerated Processor with AMD Radeon™ HD 6000 Series Graphics

This motherboard supports AMD® A-& E2- series Accelerated Processor with AMD Radeon™ HD 6000 Series Graphics. This revolutionary APU (Accelerated Processing Unit) combines processing power and advanced DirectX 11 graphics in one small, energy-efficient design to enable accelerated performance and an industry-leading visual experience. It features Dual-channel DDR3 memory support and accelerates data transfer rate up to 5GT/s.

AMD® A75 FCH (Hudson D3)

AMD® A75 FCH (Hudson D3) is designed to support up to 5GT/s interface speed and PCI Express™ 2.0 x 16(at x4 speed)graphics. It supports 6 x SATA6Gb/s ports and 4 x USB 3.0 Ports.

CrossFireX Support

Flexible Multi-GPU solutions, Your Weapon of Choice! F1A75-V brings you the multi-GPU choice of CrossFireX™. Expect a brand-new gaming style you've never experienced before!

Latest Transfer Technology

SATA 6Gb/s Support

Native SATA 6Gb/s Support

The AMD® A75 FCH natively supports next-generation Serial ATA (SATA) storage interface, this motherboard delivers up to 6.0 Gb/s data transfer rates. Additionally, get enhanced scalability, faster data retrieval, double the bandwidth of current bus systems.

Complete USB 3.0 Integration

Double USB Access, Double Convenience

ASUS facilitates strategic USB 3.0 accessibility for both the front and rear panels - 4 USB 3.0 ports in total. Experience the latest plug & play connectivity at speeds up to 10 times faster than USB 2.0. The F1A75-V affords greater convenience with high speed connectivity.

ASUS Exclusive Features

ASUS TurboV

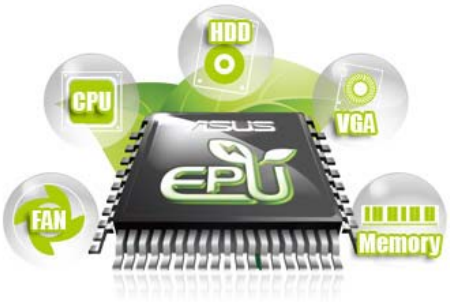
Easy, Real-Time O.C. Tunings

Feel the adrenaline rush of real-time OC-now a reality with the ASUS TurboV. This easy OC tool allows you to overclock without exiting or rebooting the OS; and its user-friendly interface makes overclock with just a few clicks away. Moreover, the ASUS OC profiles in TurboV provides the best O.C. settings in different scenarios.

EPU

Energy Efficiency All Around

Tap into the world's first real-time PC power saving chip through a simple onboard switch or AI Suite II utility. Get total system-wide energy optimization by automatically detecting current PC loadings and intelligently moderating power consumption. This also reduces fan noise and extends component longevity!



UEFI BIOS (EZ Mode)

Flexible & Easy BIOS Interface

Exclusive to ASUS motherboards, its UEFI (Unified Extensible Firmware Interface) is the first ever mouse-controlled graphical BIOS interface designed with dual selectable modes. It delivers a user-friendly interface that goes beyond traditional keyboard-only BIOS controls to enable more flexible and convenient input with quick scrolling. Users can easily navigate the UEFI BIOS with the smoothness of their operating system. Quick and simple overclocking and setup sharing is facilitated by the F12 hotkey BIOS snapshot feature. The exclusive EZ Mode displays frequently-accessed setup info, while the Advanced Mode is for experienced performance enthusiasts that demand far more intricate system control, including detailed DRAM information.

AI Suite II

One-stop Access to Innovative ASUS Features

With its user-friendly interface, ASUS AI Suite II consolidates all exclusive ASUS features into one simple-to-use package. It allows users to supervise overclocking, energy management, fan speed, voltage, and sensor readings. This all-in-one software offers diverse and easy to use functions, with no need to switch back and forth between different utilities.

MemOK!

Any Memory is A-OK!

MemOK! quickly ensures memory boot compatibility. This remarkable memory rescue tool requires a mere push of a button to patch memory issues. MemOK! determines failsafe settings and dramatically improves system boot success. Get your system up and running in no time!

ASUS EZ DIY

C.P.R.(CPU Parameter Recall)

The BIOS C.P.R. feature automatically restores the CPU default settings when the system hangs due to overclocking failure. C.P.R. eliminates the need to open the system chassis and clear the RTC data. Simply shut down and reboot the system, and the BIOS automatically restores the CPU parameters to their default settings.

ASUS Anti-Surge Protection

Anti-Surge Protection Design detects overvoltage conditions and prevents voltage surges from spreading in real time. It also actively cuts off the overvoltage supply to protect the system.
1. Real-time over voltage detection.
2. Active protection against potential damage to your motherboards and systems.

CrashFree BIOS 3

Simply restore corrupted BIOS data from USB flash disk

The ASUS CrashFree BIOS 3 allows users to restore corrupted BIOS data from a USB flash disk containing the BIOS file. This utility saves users the cost and hassle of buying a replacement BIOS chip.

RoHS

GreenASUS and ErP Ready

The motherboard is European Union´s Energy-related Products (ErP) ready, and ErP requires products to meet certain energy efficiency requirements in regards to energy consumptions. This is in line with ASUS vision of creating environment-friendly and energy-efficient products through product design and innovation to reduce carbon footprint of the product and thus mitigate environmental impacts.

HIGH-DEFINITION MULTIMEDIA INTERFACE

Specifications

CPU	AMD Socket FM1 A- Series/E2- Series Accelerated Processors Supports AMD® Turbo Core 2 Technology * The AMD® Turbo Core 2 Technology Support depends on the APU types

Chipset	AMD A75 FCH (Hudson D3)
Memory	4 x DIMM, Max. 64GB, DDR3 2250(O.C.)/1866/1600/1333/1066 MHz Non-ECC, Un-buffered Memory Dual Channel Memory Architecture * The Max. 64GB memory capacity can be supported with DIMMs of 16GB (or above). ASUS will update QVL once the DIMMs are available on the market. * Refer to www.asus.com or user manual for the Memory QVL (Qualified Vendors Lists). * Due to OS limitation, when installing total memory of 4GB capacity or more, Windows® 32-bit operation system may only recognize less than 3GB. Install a 64-bit Windows® OS when you want to install 4GB or more memory on the motherboard.
Graphic	Integrated AMD Radeon™ HD 6000 Series Graphics in Llano APU Multi-VGA output support : HDMI/DVI/RGB ports *1 - Supports HDMI with max. resolution 1920 x 1080 @ 60 Hz - Supports DVI with max. resolution 1920 x 1200 @ 60 Hz - Supports RGB with max. resolution 1920 x 1600 @ 60 Hz AMD® Dual Graphics technology support *2 Supports DirectX 11
Multi-GPU Support	Supports AMD CrossFireX™ Technology
Expansion Slots	1 x PCIe 2.0 x16 (blue) 1 x PCIe 2.0 x16 (x4 mode, black) 2 x PCIe 2.0 x1 3 x PCI
Storage	**AMD A75 FCH (Hudson D3) chipset :** 6 x SATA 6Gb/s port(s), gray Support Raid 0, 1, 10, JBOD
LAN	Realtek® 8111E , 1 x Gigabit LAN Controller(s)
Audio	Realtek® ALC887 8-Channel High Definition Audio CODEC - Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking **Audio Feature :** - Optical S/PDIF out port(s) at back panel
USB Ports	**AMD A75 FCH (Hudson D3) chipset :** 4 x USB 3.0 port(s) (2 at back panel, blue, 2 at mid-board) **AMD A75 FCH (Hudson D3) chipset :** 10 x USB 2.0 port(s) (4 at back panel, black, 6 at mid-board)
Overclocking Features	**Overclocking Protection :** - ASUS C.P.R.(CPU Parameter Recall)
Special Features	**ASUS EPU :** - EPU **TurboV** **ASUS Exclusive Features** : - MemOK! - AI Suite II - Ai Charger - Anti-Surge - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface **ASUS Quiet Thermal Solution** : - Stylish Fanless Design Heat-sink solution - ASUS Fan Xpert **ASUS EZ DIY :** - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS MyLogo 2 - Multi-language BIOS **100% All High-quality Conductive Polymer Capacitors**
Back I/O Ports	1 x PS/2 keyboard/mouse combo port(s) 1 x DVI-D 1 x D-Sub 1 x HDMI 1 x LAN (RJ45) port(s) 2 x USB 3.0 4 x USB 2.0 1 x Optical S/PDIF out 6 x Audio jack(s)
Internal I/O Ports	1 x USB 3.0 connector(s) support(s) additional 2 USB 3.0 port(s) (19-pin) 3 x USB 2.0 connector(s) support(s) additional 6 USB 2.0 port(s) 1 x COM port(s) connector(s) 6 x SATA 6Gb/s connector(s) 1 x CPU Fan connector(s) (4 -pin) 2 x Chassis Fan connector(s) (4 -pin) 1 x Power Fan connector(s) (3 -pin) 1 x S/PDIF out header(s) 1 x 24-pin EATX Power connector(s) 1 x 8-pin ATX 12V Power connector(s) 1 x Front panel audio connector(s) (AAFP)

Accessories	1 x System panel(s) 1 x MemOK! button(s)
	User's manual I/O Shield 2 x SATA 6Gb/s cable(s)
BIOS	32 Mb Flash ROM, UEFI BIOS, PnP, DMI v2.0, WfM2.0, SM BIOS V2.6, ACPI V2.0a
Support Disc	Drivers ASUS utilities ASUS Update Anti-virus software (OEM version)
Form Factor	ATX Form Factor 12 inch x 9.6 inch (30.5 cm x 24.4 cm)
Note	*1: HDMI and DVI-D cannot work simultaneously. *2: Refer to www.amd.com for the discrete GPUs which support Dual Graphics technology.